

PATENT

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning at page 23, line 17 with the following amended paragraph:

As described earlier, the embodiment of Fig. 8 combines two substrates, one with thermoelectric elements (both n-type ~~or~~ and p-type) and the other with simple metal links and arranges them to form an electrically series and thermally series parallel circuit.

Please replace the paragraph beginning at page 24, line 3 with the following amended paragraph:

Thereafter, a structure 942 (as shown in Fig. 9m) is formed using the method as described in conjunction with figure 9a. Structure 942 is similar to basic structure 900 (of Fig. 9a) except that structure 942 comprises an additional metal electrode 944. The two structures 940 and 942 are then combined by flip-chip backside-to-front aligners and held in place by polymer resin or epoxy seals on the periphery of the structure to form a structure 946, which is electrically in series and thermally in parallel. Structure 946 has been illustrated in Fig. 9n. The structures 940 and 942 are separated using dielectric standoffs 945 at the edges. As shown, structure 946 combines two substrates, one with thermoelectric elements (both n-type ~~or~~ and p-type) and the other with simple metal links and arranges them to form an electrically series and thermally ~~series~~ parallel circuit. In structure 946 alternate n-type and p-type thermoelements 908 and 933 are arranged monolithically on the same side of liquid metal droplets 938.